

Claims

1. A method (31, 32, 33, 35, 36, 37) for shifting the contents of a first shortcut key (21–28b) and a second shortcut key (21–28b) belonging to the user interface of an electronic device (10, 40), **characterised** in that the contents of the first 5 shortcut key and the second shortcut key is shifted between each other with the aid of a drag and drop method (33, 35, 36, 37).
2. The method according to claim 1, **characterised** in that one of the following is used as the electronic device: a cellular network terminal, a PC, a portable computer or a palm computer.
- 10 3. The method according to claim 2, **characterised** in that a touch screen (20) is used as the display unit (13, 20) of the electronic device, whereby a shortcut menu is created on the touch screen.
4. The method according to claim 3, **characterised** in that the first shortcut key to be shifted is selected to become the shifted shortcut key by pressing the touch 15 screen (20) with the aid of an object (32) at the position of the first shortcut key.
5. The method according to claim 4, **characterised** in that the contents of the first shortcut key is shifted to become the contents of the second shortcut key by moving (35) the object used in the selection on the touch screen (20) from a position above the first shortcut key to a position over the second shortcut key, where 20 the object is raised from the touch screen (36), whereby the raising of the object initiates the shifting of the contents of the first shortcut key to become the contents of the second shortcut key (37).
6. The method according to claim 4, **characterised** in that the function attached to the first shortcut key is executed if the object used to select the shortcut key is raised from the touch screen (20) above the first shortcut key. 25
7. The method according to claim 4, **characterised** in that the raising of the object used to select the shortcut key from the touch screen (20) somewhere else (29) than above a shortcut key (21–28b) cancels the initiated shifting of the contents of the first shortcut key (38).
8. The method according to claim 2, **characterised** in that the first shortcut key is selected to become shifted by selecting it among the shortcut keys on the dis- 30

play of the electronic device with the button of a mouse belonging to the user interface of the electronic device.

9. The method according to claim 8, **characterised** in that the contents of the first shortcut key is shifted to become the contents of the second shortcut key by moving a cursor connected to the mouse on the display of the electronic device from a position above the first shortcut key to a position above the second shortcut key, where the mouse button is released, whereby the releasing of the mouse button initiates the shifting of the contents of the first shortcut key to become the contents of the second shortcut key.
10. The method according to claim 8, **characterised** in that if the mouse button used to select the shortcut key is released on the display of the electronic device somewhere else than above a shortcut key, then the initiated shifting of the contents of the first shortcut key is cancelled.
11. The method according to claim 9, **characterised** in that the shifting of a shortcut key made on the display of the electronic device further causes the functions attached to a first key belonging to the physical keyboard of the electronic device to be shifted to a second key of the keyboard.
12. The method according to claim 5 or 9, **characterised** in that the contents of a shortcut key means a function defined for a shortcut key.
13. A touch screen (20) having a shortcut menu comprising at least two separate shortcut keys (21–28b), a first and a second shortcut key with interchangeable contents, **characterised** in that the shift of the contents of the first shortcut key and the second shortcut key between each other is arranged to be made with the drag and drop method.
14. The touch screen according to claim 13, **characterised** in that the first shortcut key is selected to become shifted by pressing the touch screen (20) with an object at the first shortcut key.
15. The touch screen according to claim 14, **characterised** in that the contents of the first shortcut key is arranged to be changed to become the contents of the second shortcut key by moving (35)-the-object used for selecting on the touch screen (20) from a position above the first shortcut key to a position above the second shortcut key, where raising of the object from the touch screen (36) is ar-

ranged to initiate the shifting of the contents of the first shortcut key to become the contents of the second shortcut key (37).

16. The touch screen according to claim 14, **characterised** in that the function attached to the first shortcut key is arranged to be executed if the object used to

5 select the shortcut key is raised from the touch screen (20) above the first shortcut key.

17. The touch screen according to claim 14, **characterised** in that the raising of the object used to select the shortcut key from the touch screen (20) somewhere else (29) than above a shortcut key (21–28b) is arranged to cancel the initiated

10 shifting of the contents of the first shortcut key (38).

18. The touch screen according to claim 15, **characterised** in that the contents of a shortcut key is a function defined to be executed by the shortcut key.

19. An electronic device (40) with a user interface (46) comprising at least two separate shortcut keys, a first and a second shortcut key with interchangeable

15 contents, **characterised** in that a shift of the contents of the first shortcut key and the second shortcut key between each other is arranged to be made with the drag and drop method.

20. The electronic device according to claim 19, **characterised** in that the electronic device comprises a touch screen (20), on which there is formed a shortcut

menu with at least two shortcut keys (21–28b) with interchangeable contents.

21. The electronic device according to claim 20, **characterised** in that the contents of a shortcut key is a function defined to be executed by a shortcut key.

22. The electronic device according to claim 21, **characterised** in that it is one of following: a cellular network terminal, a portable computer or a palm computer.

25 23. An application program in an electronic device (10, 40) for shifting the contents of a first shortcut key and a second shortcut key belonging to the device's user interface (46), **characterised** in that the application program comprises software means for executing the shift of the contents of the shortcut keys between each other utilising the drag and drop method.

24. The application program according to claim 23, **characterised** in that it comprises software means for changing the shortcut keys in a shortcut menu created on a touch screen (20), which belongs to a portable device (40).

25. The application program according to claim 24, **characterised** in that said

5 software means realise

– a step (32) for selecting a first shortcut key, whereby the selection is made by pressing the touch screen with an object (31),

– a step (33) for detecting whether the object is raised from the touch screen at the position of the selected first shortcut key, and if the object is not raised at the posi-

10 tion of the selected first shortcut key it further comprises

– a step (35) for detecting the movement of the object on the surface of the touch screen away from the position above the first shortcut key

– a step (36) for detecting whether the object is raised from the surface of the touch screen at the position of a second shortcut key and

15 – a step (37) where the contents of the first shortcut key and the second shortcut key are interchanged.

26. The application program according to claim 25, **characterised** in that it fur-
ther comprises a step (34), in which the function connected to the first shortcut key
is executed, if the object is raised from the touch screen at the position of the first

20 shortcut key.

27. The application program according to claim 25, **characterised** in that it fur-
ther comprises a step (38), where the shifting of the contents of the first shortcut
key is cancelled, if the object is raised from the touch screen in an area, which is
not defined to belong to a shortcut key.

25 28. The application program according to claim 27, **characterised** in that the
contents of a shortcut key is a function defined to be executed by the shortcut key.

29. The application program according to claim 28, **characterised** in that it is ar-
ranged to be used in one of the following devices: a cellular network terminal (40),
a portable computer or a palm computer.

30 30. A computer program on a data storage means, **characterised** in that it com-
prises software means, whereby the use of these software means makes it possi-
ble to shift the contents of a first shortcut key and a second shortcut key on the

display of an electronic device (40) between each other by utilising the drag and drop method.